

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-7 have been cancelled, without prejudice.

8. (New) The combination of:
 - an electrostimulating apparatus for applying electrical stimuli to biological tissues; and
 - a device for exchanging heat with said biological tissues.
9. (New) The combination according to claim 8, wherein said device for exchanging heat comprises a device for heating said biological tissues.
10. (New) The combination according to claim 8, wherein said device for exchanging heat comprises a device for cooling said biological tissues.
11. (New) The combination according to claim 9, wherein said device for exchanging heat comprises a device for cooling said biological tissues.
12. (New) The combination according to claim 8, wherein said device for exchanging heat comprises a device for controlling the temperature of said biological tissues.
13. (New) The combination according to claim 9, wherein said device for exchanging heat comprises a device for controlling the temperature of said biological tissues.
14. (New) The combination according to claim 10, wherein said device for exchanging heat comprises a device for controlling the temperature of said biological tissues.
15. (New) The combination according to claim 11, wherein said device for

exchanging heat comprises a device for controlling the temperature of said biological tissues.

16. (New) An electrostimulating apparatus that generates a relaxing sequence suitable for stimulating striated muscle fibre, based on three fundamental parameters: the width of the electric stimulation, the frequency of said stimulation and the intervals of time wherein a plurality of width/frequency combinations follows.

17. (New) An electrostimulating apparatus that generates a vasoactive sequence of activation of the microcirculation suitable for stimulating the smooth muscle fibre and the postsynaptic neuroceptors, based on three fundamental parameters: the width of the electric stimulation, the frequency of said stimulation and the time wherein a plurality of combinations of width/frequency follow.